

## ABSTRACT

The ink delivery hole 11 of the support member 10 made of ceramics that supports the recording head 2 consists of the elongated hole 12 provided with the inclined bottom surface 13 that opens on the ink jet recording head side and deepens toward the center and the small-diameter hole 14 that communicates therewith, while surface roughness of at least the inclined bottom surface 13 of the ink delivery hole 11 is set in a range from 0.4 to 1.0  $\mu$  m in terms of arithmetic mean roughness (Ra) and the void ratio is set in a range from 5 to 30%. This constitution prevents bubbles, if ever entered, from staying in the ink delivery hole of the support member that supports the ink jet recording head, and enables it to stably discharge ink droplets of a predetermined quantity.